

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 03/076510 A1

- (51) International Patent Classification⁷: **C08L 23/12**,
23/16, 23/10, 23/04, C08J 5/18 **Katsuharu [JP/JP]**; 109-1, Hakuraku, Kanagawa-ku,
Yokohama-city (JP).
- (21) International Application Number: PCT/EP03/02633 (74) Agents: **GAVERINI, Gaetano**; Basell Poliolefine Italia
S.p.A., Intellectual Property, Via Pergolesi, 25, I-20124 Mi-
lano et al. (IT).
- (22) International Filing Date: 10 March 2003 (10.03.2003)
- (25) Filing Language: English (81) Designated States (*national*): JP, US.
- (26) Publication Language: English (84) Designated States (*regional*): European patent (AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).
- (30) Priority Data:
2002-069957 14 March 2002 (14.03.2002) JP
- (71) Applicant (*for all designated States except US*): **BASELL
POLIOLEFINE ITALIA S.P.A.** [IT/IT]; Via Pergolesi,
25, I-10124 Milano (IT).
- (72) Inventors; and
(75) Inventors/Applicants (*for US only*): **FUDABA, Tetsuya**
[JP/JP]; 624-1, Berude Ohmiya B403, Higashioonari-
cho 1-chome, Saitama-city (JP). **MITARAI, Nobuyuki**
[JP/JP]; Showadenko Ichigao-ryo, 12-33, Edanishi
1-chome, Aoba-ku, Yokohama-city (JP). **TAGASHIRA,**
- Declarations under Rule 4.17:**
— *as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii)) for all designations*
— *of inventorship (Rule 4.17(iv)) for US only*
- Published:**
— *with international search report*
- For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: POLYPROPYLENE RESIN COMPOSITION AND FILM THEREOF

(57) **Abstract:** A polypropylene resin composition comprising (by weight) 40 to 80% of a polypropylene component (A) comprising a copolymer of propylene with ethylene and/or a C₄₋₁₂ α-olefin, or a homopolymer of propylene, and 20 to 60% of a copolymer component (B) containing a copolymer (B-1) and a copolymer (B-2), wherein both (B-1) and (B-2) are copolymers of propylene with ethylene and/or a C₄₋₁₂ α-olefin, in (B-1) the amount of units derived from propylene is from more than 50% by weight to 85% by weight, and in (B-2) the amount of units derived from propylene is 15 to 50% by weight, the molecular weight distribution (Mw/Mn) is 3.0 or less, and blockness (CSD) determined using the measured NMR values is 1.3 or less; in which composition the amount of (B-2) with respect to the whole polypropylene resin composition is 3% or more, and the ratio of the limiting viscosity of (B-1) to the viscosity of (A) ([η]B-1/[η]A) is 1.5 or less, and the ratio of the limiting viscosity of (B-1) to the viscosity of (B-2)

WO 03/076510 A1